Dart Aerospace Ltd. Friday, 5/25/2007 8:36:53 AM Kim Johnston **Process Sheet** : ARM : CU-DAR001 Dart Helicopters Services **Drawing Name** Customer EFFECTIVE UT. 06. 65 AUTH Job Number : 32648 - 1 ELEASED 17.46.66 DATE Estimate Number : 12884 : NA : D3560044 Part Number P.O. Number D3560 REV.B S.O. No. : NA : 5/25/2007 **Drawing Number** This Issue : N/A Project Number Prsht Rev. : B : SMALL /MED FAB First Issue **Drawing Revision** : NIA Material : NIA Previous Run : 6/5/2007 Each Due Date Written By Checked & Approved By New Issue 07.05.24 EC : Est Rev:A Comment Additional Product Job Number: Description: Seq. #: Machine Or Operation: 6061-T6 Bar .50" x 5.0" 1.0 M6061T6B0500X05000 Total: 40.7925 f(s) Comment: Qty.: 1.3598 f(s)/Unit 6061-T6 Bar 0.50" x 5.00" MIOH598 x20 Batch: 350 BAND SAW 2.0 BAND SAW Comment: BAND SAW Cut blanks 15.500" long 20 HAAS CNC VERTICAL MACHINING #1 3.0 HAAS1 Comment: HAAS CNC VERTICAL MACHINING #1 1- Mill as per Folio FA696 Rev: 44 & Dwg D3560 Rev: 3 2-C'sink 0.196" hole on manual mill as per dwg D3560 3-Deburr per dwg D3560 20 4.0 QC2 Comment: INSPECT PARTS AS THEY COME OFF MACHINE 26 SECOND CHECK QC8

Comment: SECOND CHECK

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES	WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
07.05.06	West in the lines.	NO POWDER COAT. CHEM CON. COAT ONLY. REF ATTACHED IS EMAIL				67.68.06 Per 48.1047	POROL-11			
07/26/28	4C	D 2808 Betch B32352 Put Bushing	18	01.06.27	6	0408-16	10/4			

Part No:	_PAR #:	Fault Category:	NCR: Yes No DQA:	Date: 07/07/04
		1000	QA: N/C Closed:	Date:

NCR	₹:		WORK ORDER NON-CONFORMANCE (NCR)						
-			Description of NC		Corrective Action Section B		Verification	Approval	Approval
DA	IE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspactor
<u>4</u>	010	3	- 1 part x capped, part wasn't clame tight enough causing blank to start move while machining on 1st opp	Tosiale	scrap + replace deslinox	OHOOHO J.L	Perocil	Pasion	2006-11
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	,F.								

NOTE: Date & initial all entries

Friday, 5/25/2007 8:36:53 AM Date: User: . Kim Johnston **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: ARM Part Number: D3560044 Job Number: 32648 Job Number: Description: Seq. #: Machine Or Operation: PLATE D35921 6.0 Comment: Qty.: 30.0000 Each(s) 1.0000 Each(s)/Unit Total: 27.06-26 PLATE 32661 LARGE FABRICATION RESOURCE 1 7.0 Comment: LARGE FABRICATION RESOURCE 1 1-Weld assembly as per dwg D3560 QC5 80 WORK TO CURRENT STEP Comment: INSPEC 9.0 QC9 VISUAL WELDING INSPECTION 07-062 Comment: VISUAL WELDING INSPECTION HAND FINISHING RESOURCE #1 10.0 Comment: HAND FINISHING RESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1 NO POWDER COATING POWDER COATING 11.0 SER WID CHANGE Comment: POWDER COATING Powder Coat White Gloss (Ref: 4,3/5.1) as per QSI 805 4.3 INSPECT POWDER COAT/CHEMICAL CONVERSION 12.0 QC3 Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock P.E. 07-06-28 Location: WH

Da	rt /	Aero	osp	ace	Ltd

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W/O:	1 1		V	ORK ORDER CHANG	ES					9
DATE	STEP	PRO	CEDURE CH	IANGE	7	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			24							-/
Part No		PAR #:	Fault Ca	tegory:	_ NC					
									_ Date: _	
NCR:	- 4		VORK ORI	DER NON-CONFORMA	INCE	(NCR)				
DATE	STEP	Description of NC Corrective Action Section			on B		Verificati	ion	Approval	Approval
DAIL	3101	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section (0	Chief Eng	QC Inspector
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NOTE: Date & initial all entries

Date:

Friday, 5/25/2007 8:36:53 AM

User:

. Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: ARM

Job Number: 32648

Part Number: D3560044

Job Number:



Seq. #: Machine Or Operation:

Description:

14.0

QC21

Comment: FINAL INSPECTION/W/O RELEASE

FINAL INSPECTION/W/O RELEASE

Job Completion



POSITIVE RECALL

EFFECTIVE _____ AUTH ____

RELEASED 1 _____ DATE 757 04

Dart Ae	rospace	Ltd F								
W/O:			WORK ORDER CHANGES							
DATE	STEP	PR	OCEDURE CH	ANGE		Ву	Date (Approval Chief Eng / Pred Mgr	Approval QC Inspector
2										
G.P.										
Part No		PAR #:	Fault Cate	egory:	NCI	R: Yes N	lo DQA:		Date:	
						QA: N/C	Closed:		Date:	
NCR:			WORK ORD	ER NON-CONFO	RMANCE	(NCR)				
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Action Descrip Chief Eng	Section B	Sign & Date	Verificati Section (Approval Chief Eng	Approval QC Inspector

	NCR:		WORK ORDER NON-CONFORMANCE (NCR)								
2			Description of NC		Corrective Action Section B		Verification	Anneugl	Annewal		
	DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector		
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NOTE: Date & initial all entries

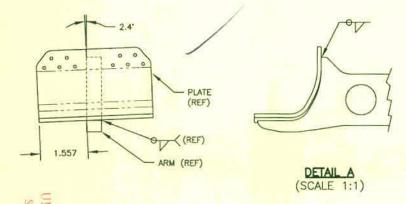
D3560-1 ARM (-041, SHOWN)
OR D3560-2 ARM (-042, OPPOSITE)

D3592-1 PLATE,
SEE DETAIL A

D3560-041 ARM WELDMENT (SHOWN), D3560-042 ARM WELDMENT (OPPOSITE) D3560-3 ARM (-043, SHOWN)
OR D3560-4 ARM (-044, OPPOSITE)

D3592-1 PLATE,
SEE DETAIL A

D3560-043 ARM WELDMENT (SHOWN).
D3560-044 ARM WELDMENT (OPPOSITE)



GENERAL NOTES

1) WELD PER QSI 004

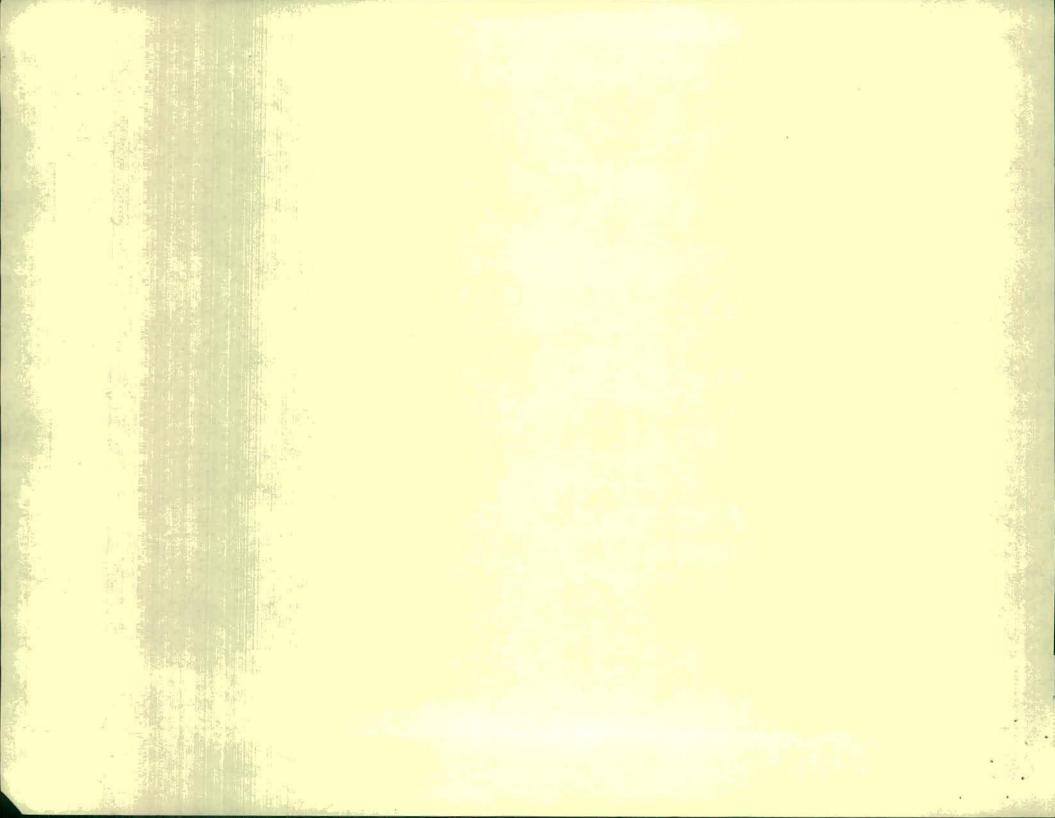
 FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1 POWDER COAT WHITE (4.3.5.1) PER DART QSI 004 4.3

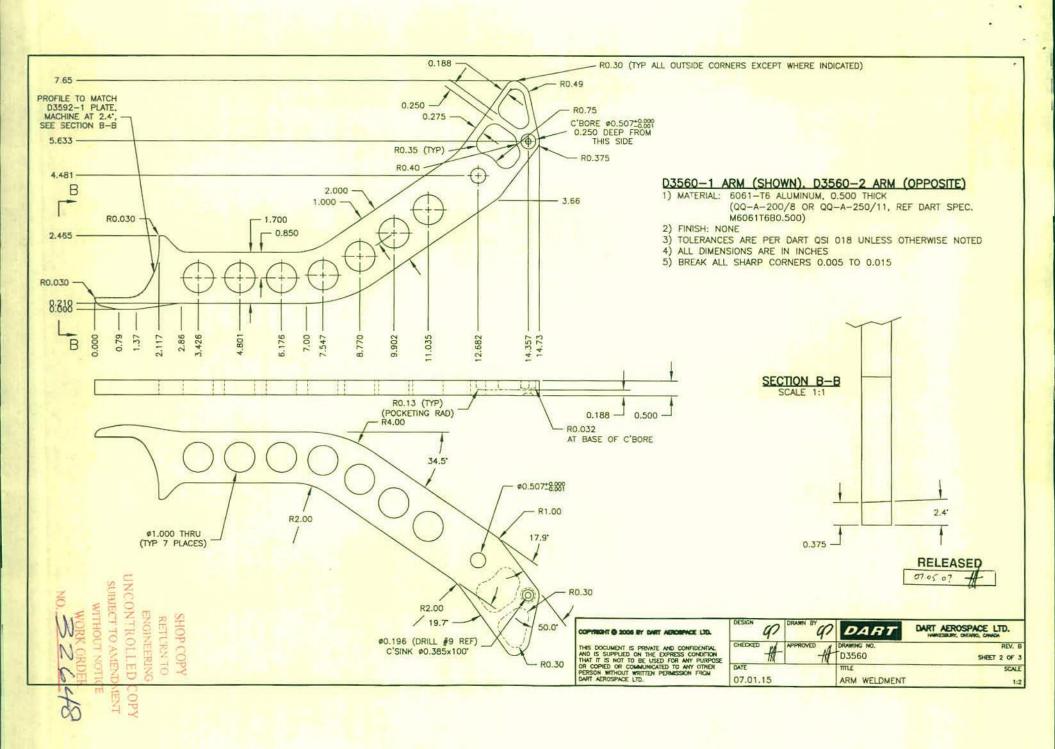
3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

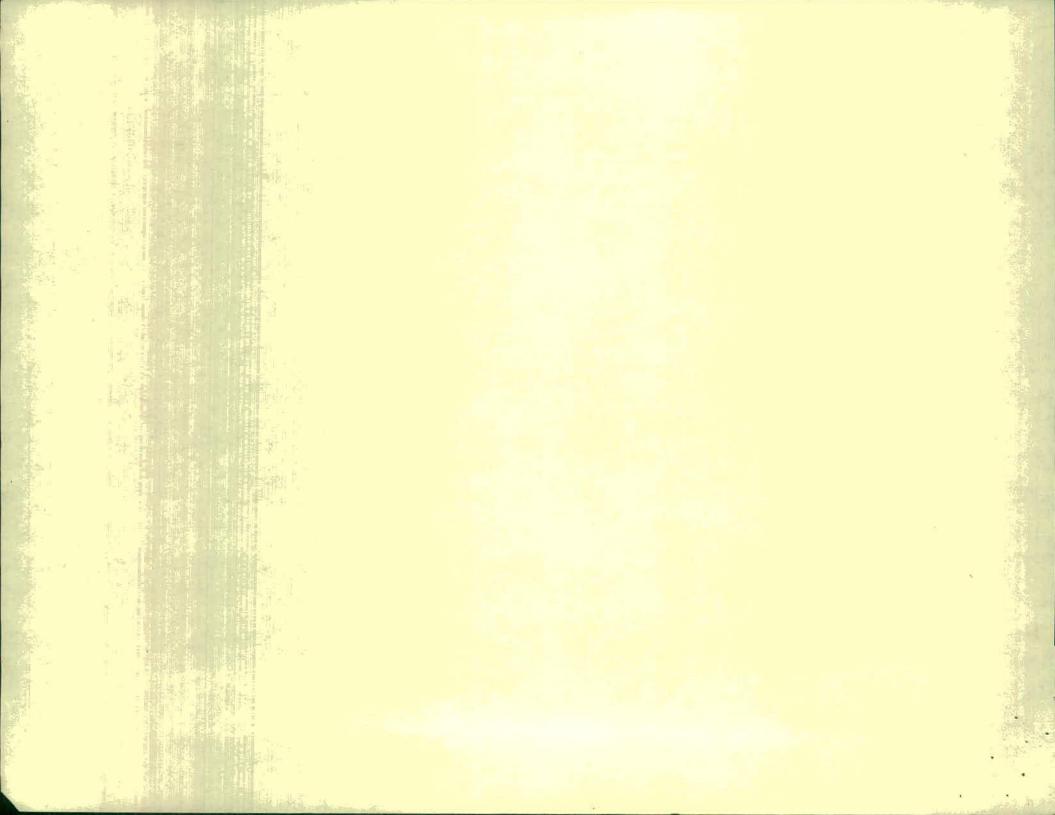
4) ALL DIMENSIONS ARE IN INCHES

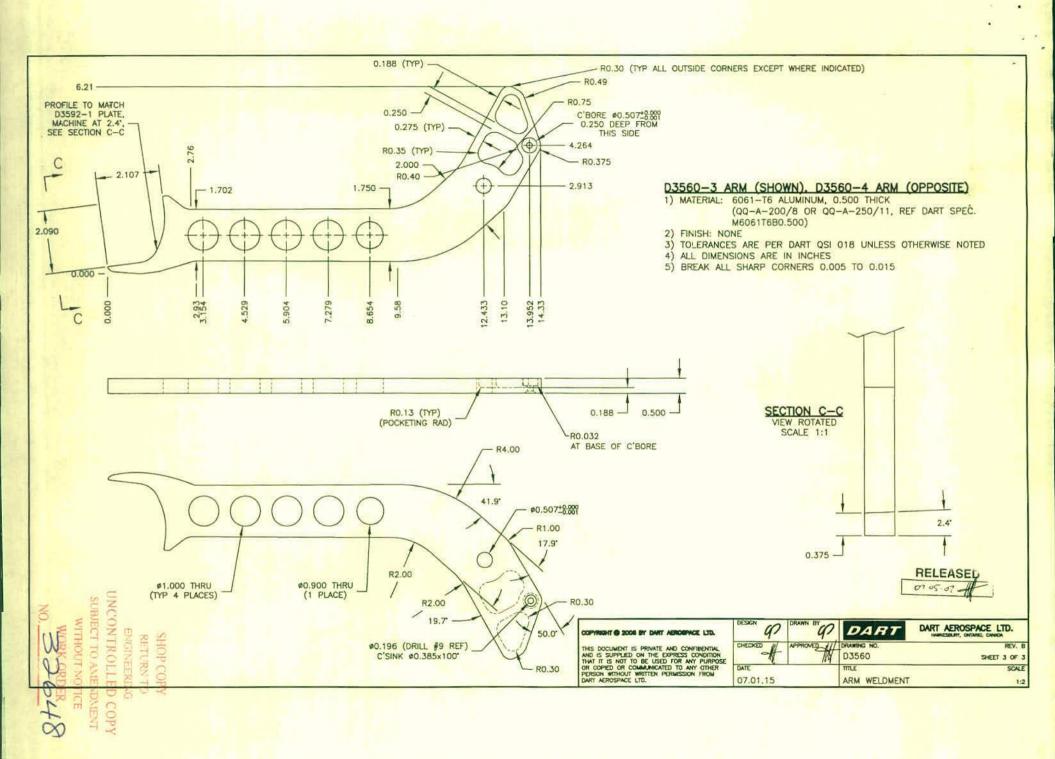
RELEASED

В 07.01.15 REDESIGN AS WELDMENT, ADD POCKETS A 06.09.25 NEW ISSUE DESIGN DART AEROSPACE LTD. DART COPYRIGHT @ 2006 BY DART AEROSPACE LTD. THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PEPSSON WITHOUT WRITTEN PERMISSION FROM DAY! ARROSPIACE LTD. DRAWING NO. CHECKED D3560 SHEET 1 OF 3 DATE SCALE 07.01.15 ARM WELDMENT











DART AEROSPACE LTD	Work Order:	37648
Description: ACM	Part Number:	D3560~1
Inspection Dwg:p 3560 Rev: B		Page 1 of 1

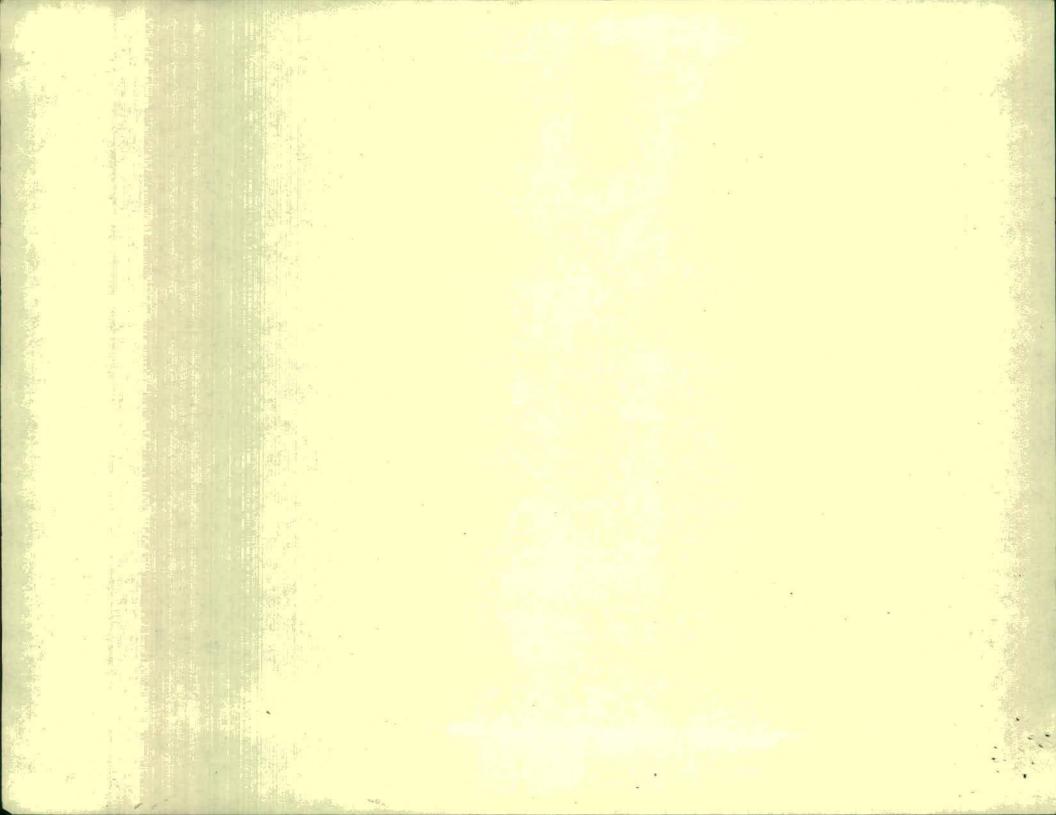
FIRST ARTICLE INSPECTION CHECKLIST

X	First Article		Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
13.957	±.010	13.952	~			
12.433	M	17.433	_			
7.913	. 4	2.4.3				
4.264	ч	4-764	_			
1.702	C1	1.702				
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Measured by:	Audited by:	Prototype Approval:	
Date: 67.06.01	Date: 64/06/01	Date:	

Rev	Date	Change	Revised by	Approved
Α		New Issue	KJ/JLM	



Chris Provencal

From:

David Shepherd [dshepherd@dartaero.com]

Sen":

June 5, 2007 5:18 PM

To:

'Chris Provencal'

Subject: RE: D3562-041/-042

As we have discussed previously, this is acceptable as long as the Magnabond doesn't break down.

Davd

Fro n: Chris Provencal [mailto:cprovencal@dartaero.com]

Sent: Tuesday, June 05, 2007 11:00 AM To: David Shepherd (David Shepherd)

Subject: D3562-041/-042

David.

For the D3562-041/-042 step weldment, as discussed. They want to switch from Sikaflex to Magnabond, and powder coat after final assembly.

As part of this change, the D3560-XX arms won't be powder coated, and the D2808 Bushing won't be assembled unti after final assembly of the step weldment.

Since this is the first time trying this, we will ensure that the steps are checked after powdercoating in case the Magnabond doesn anything unexpected (eg. bubbling). If we see anything suspect, we will assemble them the old way.

Is this acceptable.

-Chris

No virus found in this incoming message.

Checked by AVG Free Edition.

Version: 7.5.472 / Virus Database: 269.8.9/834 - Release Date: 6/5/2007 2:38 PM

No sirus found in this outgoing message.

Checked by AVG Free Edition.

Version: 7.5.472 / Virus Database: 269.8.9/834 - Release Date: 6/5/2007 2:38 PM

